

IN THE CLAIMS

This listing of claims replaces all prior listings:

1. (Currently Amended) A liquid composition which effectively prevents the elution of silicon or a silicon compound into the liquid composition from a surface in contact with the liquid component ~~into the liquid composition~~, the composition containing:

a solvent in which a pigment is dispersed; and

a hydrophobic colloid that is separate from the pigment and that is charged with a positive zeta potential when the pH of the composition is controlled to a range of over 4 and under 6, the hydrophobic colloid effective to adhere to the surface, thereby to prevent elution of silicon or a silicon compound in the surface into the liquid composition.

2. (Currently Amended) The composition according to claim 1, wherein the hydrophobic colloid contains one or a mixture of more than one, selected from alumina, cerium oxide, barium sulfide ~~oxide~~ and iron hydroxide.

3. (Previously Presented) The composition according to claim 1, further containing more than 3 ppm of the hydrophobic colloid.

4. (Withdrawn) A recording liquid which is guided to a nozzle through a channel in which a silicon-containing material is exposed, and sprayed as droplets from the nozzle for adhesion to an object, the liquid containing: a pigment; a solvent in which the pigment is dispersed; and a hydrophobic colloid that is charged with a positive zeta potential when the pH of the liquid is controlled to a range of over 4 and under 6.

5. (Withdrawn) The liquid according to claim 4, wherein the hydrophobic colloid contains one or a mixture of more than one, selected from alumina, cerium oxide, barium oxide and iron hydroxide.

6. (Withdrawn) The liquid according to claim 4, further containing more than 3 ppm of the hydrophobic colloid.

7. (Withdrawn) A liquid cartridge including a spraying means for spraying, as droplets from the nozzle, a recording liquid guided to a nozzle through a channel in which a silicon-containing material is exposed, the cartridge being to be housed removably in a spraying means of a liquid spraying apparatus which sprays the liquid as droplets for adhesion to an object, and serve as a source of the recording liquid for the spraying means of the liquid spraying apparatus; and the recording liquid containing: a pigment; a solvent in which the pigment is dispersed; and a hydrophobic colloid that is charged with a positive zeta potential when the pH of the liquid is controlled to a range of over 4 and under 6.

8. (Withdrawn) The cartridge according to claim 7, wherein the hydrophobic colloid contains one or a mixture of more than one, selected from alumina, cerium oxide, barium oxide and iron hydroxide.

9. (Withdrawn) The cartridge according to claim 7, further containing more than 3 ppm of the hydrophobic colloid.

10. (Withdrawn) A liquid spraying cartridge which is to be housed removably in a liquid spraying apparatus which sprays a recording liquid for adhesion to an object to make recording to the object, the cartridge comprising: a liquid container which contains a recording liquid; and a spraying means which guides the recording liquid from the liquid container to a nozzle via a channel in which a silicon-containing material is exposed and sprays the recording liquid as droplets from the nozzle, the recording liquid containing: a pigment; a solvent in which the pigment is dispersed; and a hydrophobic colloid that is charged with a positive zeta potential when the pH of the liquid is controlled to a range of over 4 and under 6.

11. (Withdrawn) The cartridge according to claim 10, wherein the hydrophobic colloid contains one or a mixture of more than one, selected from alumina, cerium oxide, barium oxide and iron hydroxide.

12. (Withdrawn) The cartridge according to claim 10, further containing more than 3 ppm of the hydrophobic colloid.

13. (Withdrawn) The cartridge according to claim 10, wherein the silicon-containing material is a silicon wafer.

14. (Withdrawn) The cartridge according to claim 10, wherein the nozzles are arrayed in a nearly straight line.

15. (Withdrawn) liquid spraying apparatus which makes recording to an object by making a recording liquid adhere to the object, the apparatus comprising: a spraying means for spraying, as droplets from the nozzle, the recording liquid, guided to a nozzle via a channel in which a silicon-containing material is exposed; and a liquid cartridge serving a source of the recording liquid for the spraying means, a liquid container which contains a recording liquid, the recording liquid containing: a pigment; a solvent in which the pigment is dispersed; and a hydrophobic colloid that is charged with a positive zeta potential when the pH of the liquid is controlled to a range of over 4 and under 6.

16. (Withdrawn) The apparatus according to claim 15, wherein the hydrophobic colloid contains one or a mixture of more than one, selected from alumina, cerium oxide, barium oxide and iron hydroxide.

17. (Withdrawn) The apparatus according to claim 15, further containing more than 3 ppm of the hydrophobic colloid.

18. (Withdrawn) The apparatus according to claim 15, wherein the silicon-containing material is a silicon wafer.

19. (Withdrawn) The apparatus according to claim 15, wherein the nozzles are arrayed in a nearly straight line.

20. (Withdrawn) A liquid spraying method for a liquid spraying apparatus which makes recording to an object by making a recording liquid adhere to the object, wherein: the recording liquid contains: a pigment; a solvent in which the pigment is dispersed; and a hydrophobic colloid that is charged with a positive zeta potential when the pH of the liquid is controlled to a range of over 4 and under 6; and the recording liquid is guided to a nozzle via a channel in which a silicon-containing material is exposed, and sprayed as droplets from the nozzle.

21. (Withdrawn) The method according to claim 20, wherein the hydrophobic colloid contains one or a mixture of more than one, selected from alumina, cerium oxide, barium oxide and iron hydroxide.

22. (Withdrawn) The method according to claim 20, wherein the recording liquid further contains more than 3 ppm of the hydrophobic colloid.